



WEST INDIAN MEDICAL JOURNAL

Vol 70, No. 1: 1–110

Issue 1, 2023

ISSN 2309-5830

WIMJAD

EDITORIAL

- 1 **Poor Routine Healthcare System Data Quality is a Major Obstacle to Clinical and Epidemiological Surgical Research in Developing Countries**
JM East

ORIGINAL ARTICLES

- 3 **Clinical Presentation, Demographics and Outcomes of Cases of Tuberculosis at Princess Margaret Hospital, Nassau, The Bahamas 2014–2016**
JH McIntosh, KM Moss, NM Forbes, MA Frankson
This article describes the incidence of cases, demographics, clinical presentation, diagnostic methods and outcomes of cases of Tuberculosis at Princess Margaret Hospital, Nassau, The Bahamas between 2014–2016.
- 7 **Association between Mannose-Binding Lectin 2 Gene Polymorphism and Liver Fibrosis in Patients with Chronic Viral Hepatitis**
AT Eminler, M Karkucak, S Gurel, T Ayyildiz, T Gulden, K Irak, T Yakut
In this study, Mannose-Binding Lectin 2 (MBL2) gene polymorphism were investigated in patients with viral Hepatitis B and C. No significant

differences in allele frequencies for any polymorphism were observed between patients and controls.

- 13 **Breast Cancer Receptor Profiles in Jamaica: A 6-year Analysis**
SN Chin, CA Walters, E Williams
This is the first report of the University of the West Indies (UWI) breast cancer immunohistochemistry (IHC) receptor database in which we present the results of tests performed during the six-year period following its establishment in 2002, and investigate the associations between receptor profile and patient age, tumour grade and stage.
- 18 **A Comparison of Weekly DCF versus Standard DCF as First-line Systemic Chemotherapy for Metastatic Gastric Cancer Patients**
MN Aldemir, M Turkeli, M Simsek, N Yildirim, M Bilici, C Dogan, SB Tekin
In metastatic gastric cancer (MGC), the goals of treatment are palliation and prolongation of overall survival. Systemic chemotherapy, with docetaxel, cisplatin, infusional 5-fluorouracil (DCF) are a commonly used regimen in MGC as first-line chemotherapy with a low tolerability rate due to its toxicity. We evaluated the efficacy and

EDITORIAL BOARD

Chairman

P Adams

Editor-in-Chief

RJ Wilks

Associate Editors

D Cohall

T Ferguson

DT Gilbert

G Hutchinson

R Pierre

Assistant Editors

MO Castillo-Rangel

A Levy

D Soares

H Trotman

Deans

M Thame

T Seemungal

*R Roberts (Director, UWI School of Clinical Medicine and Research
– The Bahamas)*

Treasurer

C Parke-Thwaites

Editorial Board

T Alleyne

P Brown

C Christie-Samuels

N Duncan

T Jones

R Melbourne-Chambers

A Nicholson

J Plummer

C Rattray

T Richards

DT Simeon

MF Smikle

J St John (CARPHA)

S Weaver

Editorial Advisory Board

N Kissoon

M Lee

C Ogunsalu

A Ojo

D Oshi

M Samms-Vaughan

GR Serjeant

M Voutchkov

Past Editors

JL Stafford 1951–1955

JA Tulloch 1956–1960

D Gore 1961

CP Douglas 1962

D Gore 1963–1966

P Curzen 1967

RA Irvine 1967–1969

TVN Persaud 1970–1972

GAO Alleyne 1973–1975

V Persaud 1975–1995

D Raje 1995–1996

WN Gibbs 1996–1999

EN Barton 1999–2018

BUSINESS INFORMATION

Copyright: © West Indian Medical Journal 2023. Articles are published in open access under a Creative Commons Attribution International licence (CC BY). For more information, please visit https://creativecommons.org/licenses/by/4.0/deed.en_US.

Microform: The Journal is available in microform from Bell and Howell Information and Learning.

Abstracting and Indexing: The Journal is currently included in major abstracting and indexing services.

Correspondence should be addressed to:

THE EDITOR-IN-CHIEF, West Indian Medical Journal, Faculty of Medical Sciences, The University of the West Indies, Mona, Kingston 7, Jamaica, West Indies

West Indian Medical Journal (open access): wimj@uwimona.edu.jm; www.mona.uwi.edu/fms/wimj

WIMJ Open (open access): wimjopen@uwimona.edu.jm; www.mona.uwi.edu/wimjopen

Telephone: +1 (876) 578-1007. **Fax:** +1 (876) 927-1846.

tolerability of weekly DCF compared to standard DCF regimen.

23 Evaluation of Alanine Aminotransferase (ALT) and Gamma-glutamyl Transferase (GGT) in Patients with Type 2 Diabetes Mellitus at the Diabetic Clinic, Guyana

R Kurup, C Boston, R Ramdial, T Stuart, S Lewis-Isles

In this study, high prevalence of elevated Alanine Aminotransferase (ALT) and Gamma-glutamyl Transferase (GGT) in type 2 diabetic patients showed a strong association with metformin use and ethnicity, particular those of Indian descent. Family history showed a greater of high ALT followed by current illness.

27 Serum Ghrelin Levels in Patients with Chronic Urticaria and Atopic Dermatitis and Its Relationship with Metabolic Syndrome

B Demir, D Cicek, S Dertlioglu, S Aydin, H Ucak, C Ergin, I Erden

We detected higher serum ghrelin levels in the patients with chronic urticaria and atopic dermatitis than the controls. We think that the high levels of serum ghrelin in the patients with chronic urticaria and atopic dermatitis may be related to the other mechanisms.

32 Prevalence of Gastroesophageal Reflux Disease Symptoms in a Jamaican Population

DS Braham, MO Mills, MG Lee, EF Brown, G Gordon-Strachan

This study showed that the prevalence of Gastroesophageal Reflux Disease (GERD) symptoms in Jamaican subjects within the previous year was 71.1%. Weekly symptoms were present in 18.6% with moderate or greater severity in 11.7%. The most common and bothersome symptom was heartburn. Nocturnal symptoms occurred in 17.8%. In persons with GERD symptoms, 24.2% ($P=0.000$) saw a doctor and 38.6% took medication ($p<0.0001$).

36 Prevalence of Obesity among Adult Surgical Patients in Tobago

AO Amata, VT Mitchell

Obesity is associated with several medical conditions and leads to a reduced quality of life and increased risks of morbidity and mortality.

The prevalence of obesity among adult surgical patients in Tobago is high with females having a significantly higher percentage than males.

40 Primary Mediastinal Cysts: A Review of 41 Surgically Managed Cases

E Akar, T Erkinüresin

In this study, we aimed to review the surgical outcomes of primary mediastinal cysts and to determine the differences among various histopathological types. We retrospectively analyzed the medical records of 41 patients with primary mediastinal cysts who underwent surgical excision. We found that despite advanced non-invasive diagnostic techniques, the definitive diagnosis of primary mediastinal cysts can only be made by interventional techniques. Surgery often provides curative therapy with low morbidity and mortality.

46 Incidence and Prediction of Catheter-related Bladder Discomfort after Transurethral Resection of the Bladder Tumour

N Guo, D Su

This study showed that the incidence of catheter-related bladder discomfort (CRBD) was 82.3% at day 1 in patients undergoing transurethral bladder tumour resection (TURB) and reduced to 23.2% at day 3. Being male, and aged < 65 years, were identified as independent factors associated with moderate or severe CRBD.

50 Use of Additional Locking Plate-derived Poller Screws for Treatment of Femoral Non-union after Intramedullary Nailing

YF Zhao, QH Chang, L Han, FL Chu, B Wu, DL Jia, HB Wang, CY Meng, DX Zhang, YM Zha, FH Zhu

In this study, an additional locking plate and the derived Poller screw technique effectively improved local rotation instability and is an effective and simple treatment method for femoral non-union after intramedullary nailing.

56 Paediatric Galenic Preparations at the Saint Damien Hospital in Haiti: Formulative Study, Stability and Quality

F Baratta, R Cajuste, PH Saint Jean, E Ambreck, P Brusa

In the A.P.P.A.® galenic lab in Haiti, given the low availability of paediatric medicines, it was

necessary to study and then introduce several specific galenic formulas. Preparation's quality and stability have been demonstrated in accordance with the current regulation.

61 Effects of Endothelin-A Receptor Antagonist BQ-123 on Plasma Leptin Levels Streptozotocin-induced Diabetic Rats

A Ozturk, H Erdogan, F Ekici, D Aydin, E Sogut
Leptin and endothelin (ET), as important endogenous factors, interact with each other which may contribute to a better understanding of their role in diabetic pathogenesis. We aimed to evaluate the relationship between leptin and ET by investigating the influence of BQ-123, an ET-A receptor (ETAR) antagonist, on leptin levels in rats with diabetes induced by streptozotocin (STZ). In this study, 24 male, Wistar-albino rats were divided into three groups: Control, STZ, STZ + BQ-123 groups. BQ-123 relatively reduced oxidative stress and leptin levels. ET_AR antagonist BQ-123 has positive impacts, depending on the dosage in the diabetic rats.

69 Safety and Efficacy KollaGen II-xs: A 60-day Clinical Trial

BS Bagatela, AP Lopes, FL Affonso Fonseca, S Morton, J Gu, FF Perazzo
KollaGen II-xsTM is a dietary supplement that may be beneficial for patients suffering from degenerative joint diseases. The present single-centre clinical trial investigated the safety and efficacy of this new avian sternal collagen type II hydrolysate.

73 The Effects of Lunar Phases and Zodiac Signs on Recurrent Youth Suicide Attempts—Experience of University Hospital

A Guzel, M Açıköz, N Murat, N Asilioglu
The purpose of this study was to determine the clinical and demographical features of the recurrent youth suicide attempts and identify the possible risk factors. The most diagnosed psychiatric disorder in the cases of the recurrent suicide attempts and the first time suicide attempts was depression (49.1% and 8.6%, respectively).

VIEWPOINT

82 Allocation of Places for Patients to Receive Dialysis in Low- and Middle-income Countries: An Ethical Framework for Distributive Justice

TS Ferguson

This paper proposes a dialysis allocation system incorporating the ethical principles of prognosis, saving the most lives, younger age prioritization and random selection weighted by waiting time. This system should result in fair and equitable access to dialysis in developing countries.

CASE REPORT

85 Steroid 21-hydroxylase Deficiency in a Newborn Female with Ambiguous Genitalia in Upper Egypt

AE Ahmed, MH Hassan

89 Consecutive, Bilateral Obturator Hernia in a Single Case

HO Aydın, EHA Soy, T Avcı, T Tezcaner, S Yıldırım

91 An Unusual Presentation of Osteoid Osteoma after Prolonged Foot Pain

MC Sozbilen, H Gunay

95 Atypical Femoral Fracture: Failure to Prevent the Forthcoming

Ö Taşoğlu, G Sümer, H Bölük, O Karacif, N Özgirgin

98 Historical Perspectives on Medical Professionalism in the Caribbean

D Peters, FF Youssef

LETTER TO THE EDITOR

105 Hypercalcaemia and Hypervitaminosis A in Chronic Renal Failure

V Modesto dos Santos

107 Glucose-6 Phosphate Dehydrogenase Deficiency in a Geriatric Patient

T Ulas, G Tazegul, OK Yucel, R Erdem, U Iltar, O Salim, L Undar

109 A Case of Right Drop Foot Developing Soon after the Diagnosis of Crohn's Disease

PD Analan